APRIL 1968] SCHUSTER—RONCUS PACIFICUS IDENTITY

ANDERSON, N. H., AND D. M. LEHMKUHL. Catastrophic drift of insects in a woodland stream. Ecology (in press).

BERNER, LEWIS. 1959. A tabular summary of the biology of North American mayfly nymphs (Ephemeroptera). Bull. Florida State Museum, 4: 1–58.

DAY, W. C. 1963. Ephemeroptera. In Usinger, R. L. (ed.) Aquatic Insects of California. Second printing. Univ. California Press, Berkeley.

EDMUNDS, G. F., JR., AND R. K. ALLEN. 1964. The Rocky Mountain species of *Epeorus* (*Iron*) Eaton (Ephemeroptera : Heptageniidae). Jour. Kan. Ent. Soc., 37: 275–288.

HARTLAND-ROWE, R. 1964. Factors influencing the life-histories of some stream insects in Alberta. Verh. Internat. Verein. Limnol., 15: 917–925.

JENSEN, S. L. 1966. The mayflies of Idaho (Ephemeroptera). M. S. Thesis. Univ. of Utah, Salt Lake City, 367 pp.

KRAFT, G. F. 1963. Seasonal occurrence and distribution of aquatic insects in Berry Creek. Ph.D. Thesis. Oregon State Univ., Corvallis, 122 pp.

LATTIN, J. D. 1963. Equipment and Technique. In Usinger, R. L. (ed.) Aquatic Insects of California. Second printing. Univ. California Press, Berkeley.

MACAN, T. T. 1960a. The effect of temperature on *Rhithrogena semicolorata* (Ephem.). Int. Rev. ges. Hydrobiol., 45: 197–201.

1960b. The occurrence of *Heptagenia lateralis* (Ephem.) in streams in the English Lake District. Wetter u. Leben., 12: 231–234.

MINSHALL, J. N. 1964. An ecological life history of *Epeorus pleuralis* (Banks) in Morgan's Creek, Meade County, Kentucky. M. S. Thesis. Univ. of Louisville, 79 pp.

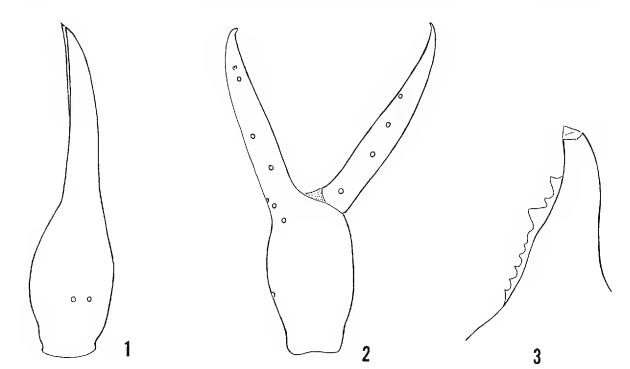
TRAVER, J. R. 1935. Systematic, Part II, in J. G. Needham, J. R. Traver, and Yin-Chi Jsu, *The Biology of Mayflies*. Ithaca: Comstock Publishing Co., 759 pp.

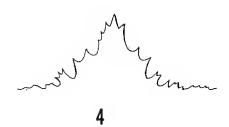
> The Identity of *Roncus pacificus* Banks (Arachnida : Chelonethida)

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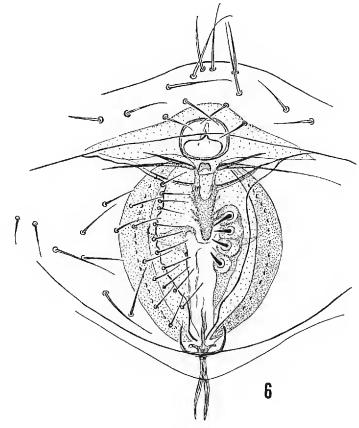
Four syntypes of *Roncus pacificus* Banks belonging to the Museum of Comparative Zoology, Harvard, were kindly loaned to me by Dr. Herbert W. Levi. Permission was granted to prepare slides from the type series. In alcohol, observed with a dissecting microscope, the types appeared to consist of one male, one female, and two immature specimens of the heterosphyronid genus *Mundochthonius*. The male and one of the nymphs were cleared, lightly stained with lignin pink, and mounted in Piccolyte. The male is herein designated as the lectotype, and the following emended description and illustrations pertain to that specimen.

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MUNDOCHTHONIUS PACIFICUS (Banks) new combination

Roncus pacificus Banks, 1893, Canadian Ent., 25: 66. Lechytia pacifica, Banks, 1895, J. New York Entomol. Soc., 3: 13.

MALE.—Median length of carapace 550 μ ; epistome moderately large (fig. 4); anterior margin of carapace with 6 setae, posterior margin with 2 setae, with a total of 18 setae. Tergites I and II with 4 marginal setae, tergites III to X with 6 marginal setae, and tergite XI probably with 6 setae. Chelicera with 8 flagellar setae; fixed finger with 11 teeth (fig. 3). Palpal femur 525 μ long, 134 μ wide; tibia 292 μ long, 168 μ wide. Chela (figs. 1, 2) 823 μ long, 202 μ wide, 202 μ deep; movable finger 515 μ long; fixed finger with about 54 teeth, movable finger with 58 teeth. Coxal spines wide, single, but with 2 deep incisions (fig. 5). Structure of genitalia, and number and placement of opercular setae as indicated in figure 6; sternites following the posterior operculum with 16:14:10:10:marginal setae, the numbers for remaining sternites uncertain.

In addition to the type specimens from Olympia, Washington, I have seen specimens from California and Idaho. *Mundochthonius pacificus* is probably very closely related to M. rossi Hoff (1949) differing from (the description of) that species mainly in being larger.

All previous records of *Lechytia pacifica* from North America, except those for Washington, probably pertain to specimens of one or more undetermined species of the genus *Lechytia*.

LITERATURE CITED

BANKS, N. 1893. New Chernetidae from the United States. Canadian Entomol., 25: 64-67.

1895. Notes on the Pseudoscorpionida. J. New York Entomol. Soc., 3: 1-13. HOFF, C. C. 1949. The pseudoscorpions of Illinois. Bull. Illinois Nat. Hist. Surv., 24: 413-498.

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Mundochthonius pacificus (Banks), lectotype male. FIGS. 1, 2, chela dorsal and lateral, showing positions of setal sockets of duplex and tactile setae. FIG. 3, fixed cheliceral finger. FIG. 4, epistome. FIG. 5, spine of coxa II. FIG. 6, genital area, lateral guard and opercular setae omitted from right side, internal setae omitted from left side.